

Message Text

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ACTION EB-08

INFO OCT-01 EUR-12 ISO-00 DODE-00 NSAE-00 ICA-11
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C O N F I D E N T I A L SECTION 01 OF 02 PARIS 14378

USOECD

EXCON

E.O. 11652: XGDS1
TAGS: ESTC, COCOM
SUBJECT: SPECIAL COCOM MEETING -- EMBEDDED MICROPROC-
ESSORS

1. SUMMARY: AT SPECIAL COCOM MEETING APRIL 25-26 ALL
OTHER DELEGATIONS FIRMLY OPPOSED THE REEMBARGO OF EQUIP-
MENT CONTAINING EMBARGOED MICROCIRCUITS. END SUMMARY.

2. DISCUSSIONS ON THE QUESTION OF EMBEDDED MICROPROC-
ESSORS AT THE SPECIAL COCOM MEETING APRIL 25-26 ENDED
INCONCLUSIVELY. HOWEVER, DURING THAT MEETING STATE-
MENTS BY ALL THE OTHER MEMBERS REPRESENTED MADE IT
CLEAR THAT THEY ARE FIRMLY OPPOSED TO THE REEMBARGO OF
EQUIPMENT CONTAINING EMBARGOED MICROCIRCUITS. SOME OF
THE VIEWS EXPRESSED BY OTHER DELEGATIONS ON THIS AND
RELATED ISSUES ARE AS FOLLOWS:

3. NETHERLANDS DEL SUPPORTED COMPLETE DECONTROL OF
PRODUCTS NOMINALLY CONTROLLED JUST TO PROTECT TECHNOL-
OGY, ESPECIALLY MICROPROCESSORS. THEY NOTED THAT NON-
COCOM COUNTRIES SUCH AS TAIWAN, SINGAPORE AND SOUTH
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KOREA PRODUCE IDENTICAL COMMODITIES WITHOUT LICENSE
REQUIREMENT AND THUS HAVE A COMPETITIVE ADVANTAGE OVER
OCOC-OUNTRIE-COCOM COUNTRIES.

4. NETHERLANDS AND UK DELS ARGUED THAT "MICROCOMPUTER"
IS A PROMOTIONAL TERM, USED FREQUENTLY BY US FIRMS.
IT IS, THEY EXPLAINED, NOT A COMPUTER UNDER 1565, BUT

RATHER A MICROCIRCUIT UNDER 1564 BECAUSE IT HAS NO INPUT/OUTPUT DEVICES AND CANNOT BE ALTERED FROM THE OUTSIDE. THEY ASSERTED THAT MICROPROCESSORS AND "MICROCOMPUTERS" INCORPORATED IN OTHER EQUIPMENT ARE "DEDICATED" AND NOT SUBJECT TO ADMINISTRATIVE PRINCIPLE -3 (AP-3) BECAUSE THEY ARE NOT EASILY REMOVED NOR USED FOR OTHER PURPOSES. THEY ARGUED THAT "DEDICATION" TAKES THE FORM OF PERMANENT WIRING AND THE INABILITY TO ALTER PROGRAM MEMORY FREELY (NON-ADDRESSABILITY FROM THE OUTSIDE).

5. FRENCH DEL EXPRESSED BELIEF THAT MICROPROCESSORS ARE IC'S AND ARE EXEMPTED FROM EMBARGO WHEN EMBEDDED IN EQUIPMENT. THEY NOTED THAT PURSUANT TO 1968 COMMITTEE APPROVAL OF U.S. PROPOSAL TO DELETE "EQUIPMENT CONTAINING" PHRASE FROM 1564, EQUIPMENT CONTAINING IC'S OF ANY TYPE WAS FREE FROM EMBARGO. THEY STATED THAT MICROPROCESSORS EMBEDDED IN EQUIPMENT CAN NOT BE REMOVED WITHOUT DESTROYING THE DEVICES AND THAT THEREFORE AP-3 DOES NOT APPLY. THEY STATED THAT THE SITUATION WAS THE SAME AS WITH REGARDS TO DIGITAL VOLTMETERS, THAT IS AFTER A YEAR AND A HALF OF DISCUSSION IN THE COMMITTEE IT WAS DETERMINED THAT AP-3 DID NOT APPLY BECAUSE SEPARATING THE PARTS OF THE VOLTMETER MADE THE PARTS INOPERATIVE.

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6. ITALIAN DEL ALSO EXPRESSED VIEW THAT UNEMBARGOED EQUIPMENT CONTAINING EMBARGOED MICROCIRCUITS SHOULD NOT BE CONSIDERED EMBARGOED. THEY BELIEVE THAT THE MOST IMPORTANT DETERMINATION IN THIS REGARD IS WHETHER OR NOT THE MICROPROCESSORS CAN BE EXTRACTED FOR OTHER USES. THEY CITED EXAMPLES OF MOVING TARGET INDICATORS AND RADAR, NOTING THAT MICROPROCESSORS ARE NOW OFTEN INCORPORATED BY ITALIAN MANUFACTURERS IN SUCH EQUIPMENT BECAUSE OF THE EASE OF OPERATION AND LOW COST FACTORS. THEY STATED THAT IF SUCH EQUIPMENT IS NOT EMBARGOED BY THE PROVISIONS OF 1501 THEN THE EQUIPMENT SHOULD BE CONSIDERED UNEMBARGOED.

7. GERMAN DELEGATION INDICATED THAT THE EMBEDDED ISSUE RAISED BY NETHERLANDS IN COCOM DOC. PROC (78) 1 AND 1.3 WAS TAKEN CARE OF BY AP-3 AND NOTHING FURTHER NEEDED TO BE DONE. THEY SUGGESTED, HOWEVER, NEED FOR

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C O N F I D E N T I A L SECTION 02 OF 02 PARIS 14378

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CLEAR DEFINITIONS OF (A) DISTINCTION BETWEEN 1564 AND
1565 AND (B) "DEDICATED."

8. NETHERLANDS DEL SAID THAT THEY SAW NO NEED TO
ADDRESS QUESTION OF EQUIPMENT CONTAINING NON-DEDICATED
COMPUTERS. HOWEVER, THEY NOTED THAT WITH REGARD TO
THIS QUESTION THEY BELIEVE THAT THE LEVEL OF CONTROL
OVER NON-DEDICATED COMPUTERS CONTAINED IN EQUIPMENT
SHOULD PROBABLY BE THE SAME AS FOR STAND-ALONE SYSTEMS.
THEY ALSO UNDERScoreD THE IMPORTANCE OF THE DEFINITION
OF "DEDICATED" AND DREW ATTENTION TO THEIR DISCUSSION
OF THIS ISSUE IN COCOM DOC. PROC (78) 1.3. UKDEL IN-
FORMED USDEL BILATERALLY THAT THEY ARE OPEN-MINDED ON
ISSUE OF A MORE LIBERAL REGIME FOR EQUIPMENT CONTAINING
NON-DEDICATED COMPUTERS THAN FOR FREE-STANDING COMPU-
TERS.

9. UKDEL STATED THAT RESOLUTION OF EMBEDDED ISSUE NEED
TO BE RESOLVED IN CONTEXT OF EXISTING CONTROLS
OF IL 1564 AND 1565, I.E., THERE NEEDS TO BE AGREEMENT
ON WHAT KINDS OF DEVICES ARE CONTROLLED BY THESE TWO
DEFINITIONS. TO DO THIS, THEY STATED THERE NEEDS TO
BE AGREED DEFINITIONS ON WHAT CONSTITUTES AN IC, A
MICROPROCESSOR, A MICROCOMPUTER, AND A COMPUTER.
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UKDEL NOTED THAT IT PLANS TO PROPOSE IN THE LIST
REVIEW A DEFINITION OF MICROPROCESSORS, MENTION OF THEM

IN THE 1565(C) HEADING, AND A STATEMENT OF UNDERSTANDING THAT:

(A) MICROPROCESSORS IN FORM OF MICROCIRCUITS ARE SUBJECT TO EXCEPTIONS TREATMENT UNDER NOTE 6 AND IN 16;

(B) MICROPROCESSORS IN FORM OF PRINTED CIRCUIT BOARDS ARE SUBJECT TO 1564(B) AND WILL GENERALLY BE UNEMBARGOED;

(C) MICROPROCESSORS FOR AND CAPABLE OF ASSEMBLY AS A MICROCOMPUTER WITH INPUT/OUTPUT CAPABILITY ARE SUBJECT TO 1565(G) AND (H);

(D) MICROPROCESSORS WIRED PERMANENTLY INTO CIRCUIT OF AN INSTRUMENT ARE SUBJECT TO EMBARGO ONLY IF THE INSTRUMENT IS CAUGHT BY ANOTHER ITEM;

(E) PROCESSORS IN FORM OF DEDICATED PROCESS CONTROLLERS NOT SUITABLE FOR COMPUTING FUNCTION AND NOT OF MICROCIRCUIT CONSTRUCTION ARE UNEMBARGOED.
SALZMAN

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